

CLAIMS

1. In combination:

2 a support having an upwardly facing surface,

4 a transition strip on the support, the transition strip comprising a single

piece defining:

6 a) a horizontal wall;

8 b) an upright wall projecting angularly and upwardly away from the horizontal wall and having first and second oppositely facing surfaces; and

10 c) a cap on the upright wall,

12 the cap, horizontal wall and first surface on the upright wall cooperatively defining a U-shaped first receptacle opening in one horizontal direction,

14 the cap, second surface on the upright wall and upwardly facing surface on the support cooperatively defining a U-shaped second receptacle opening oppositely to the one horizontal direction;

16 — a first layer placed against the upwardly facing support surface and having a first edge portion that nests in the U-shaped first receptacle; and

18 a second layer placed against the upwardly facing surface and having a second edge portion that nests in the U-shaped second receptacle,

18 wherein the upright wall and cap are substantially rigid and rigidly
interconnected so that the upright wall and cap have a substantially fixed relative
20 orientation.

2 2. The combination according to claim 1 wherein the first layer
comprises a rigid material.

2 3. The combination according to claim 2 wherein the rigid material
comprises at least one of plastic, wood, metal, stone, and a composite.

2 4. The combination according to claim 1 wherein the first layer
comprises a flexible material.

2 5. The combination according to claim 1 wherein the second layer
comprises a rigid material.

2 6. The combination according to claim 5 wherein the rigid material
comprises at least one of plastic, wood, metal, stone, and a composite.

2 7. The combination according to claim 1 wherein the first layer
comprises a flexible material.

8. The combination according to claim 1 wherein the single piece
2 comprises metal.

9. The combination according to claim 1 wherein the single piece
2 comprises a non-metal material.

10. The combination according to claim 1 wherein the cap has a first
2 portion that projects a first distance from the upright wall in the one horizontal
direction and a second portion that projects a second distance from the upright
4 wall oppositely to the one horizontal direction, and the first and second distances
are different.

11. The combination according to claim 1 wherein the horizontal wall has
2 oppositely facing flat surfaces respectively within first and second reference planes
and the horizontal wall is weakened so that the horizontal wall is reconfigurable
4 within a space between the first and second reference planes.

12. The combination according to claim 1 wherein there are tack prongs
2 on the horizontal wall.

13. The combination according to claim 1 wherein the transition strip is
2 formed by an extrusion process.

14. The combination according to claim 1 wherein the upright wall, cap
2 and at least a part of the horizontal wall are substantially rigid and rigidly
4 interconnected so that the upright wall, cap and at least part of the horizontal wall
have a substantially fixed relative orientation.

15. The combination according to claim 1 wherein the horizontal wall,
2 upright wall, and cap each have a thickness and the thicknesses of the horizontal
wall, upright wall, and cap are substantially the same.

16. The combination according to claim 15 wherein the thicknesses of
2 the horizontal wall, upright wall, and cap are on the order of 0.055 inches.

17. The combination according to claim 15 wherein the thicknesses of
2 the horizontal wall, upright wall, and cap are in the range of .03-.08 inches.

18. The combination according to claim 1 wherein the cap has a
2 downwardly facing surface and the downwardly facing surface and first surface on
the upright wall meet at a radiused surface portion.

19. The combination according to claim 1 wherein the cap has a
2 downwardly facing surface and the downwardly facing surface and second surface
on the upright wall meet at a line.

20. The combination according to claim 1 wherein the cap has a
2 downwardly facing surface and at least a part of the downwardly facing surface at
the first receptacle is spaced from the support a first distance and at least a part
4 of the downwardly facing surface at the second receptacle is spaced from the
support a second distance that is different than the first distance.

21. The combination according to claim 20 wherein the second distance
2 is greater than the first distance.

22. The combination according to claim 1 wherein the cap has a portion
2 that is disposed at an angle to horizontal and the angle is less than 25°.

23. The combination according to claim 22 wherein the angle is in the
2 range of 10-15°.

24. The combination according to claim 1 wherein the cap has a free end
2 that is rounded.

25. The combination according to claim 22 wherein the portion of the cap
2 terminates at a free end that is rounded.

26. The combination according to claim 1 wherein the transition strip
2 resides between first and second spaced, horizontal reference planes and the
4 transition strip is reconfigurable on a space between the first and second planes.

27. In combination:
2 a support having an upwardly facing surface,
4 a transition strip on the support, the transition strip comprising a single
piece defining:
6 a) a horizontal wall;
8 b) an upright wall projecting angularly and upwardly away from the
horizontal wall and having first and second oppositely facing surfaces; and
c) a cap on the upright wall,

the cap, horizontal wall and first surface on the upright wall cooperatively defining a U-shaped first receptacle opening in one horizontal direction, the cap, second surface on the upright wall and upwardly facing surface on the support cooperatively defining a U-shaped second receptacle opening oppositely to the one horizontal direction; a first layer placed against the upwardly facing support surface and having a first edge portion that nests in the U-shaped first receptacle; and a second layer placed against the upwardly facing surface and having a second edge portion that nests in the U-shaped second receptacle, wherein the first layer comprises a flexible material and the second layer comprises a rigid material.

28. The combination according to claim 27 wherein the flexible material comprises carpet.

29. A transition strip for accommodating adjacent edge portions of layers on a horizontal support surface upon which the transition strip is operatively placed, the transition strip comprising:

- a horizontal wall;
- an upright wall projecting angularly and upwardly away from the horizontal wall and having first and second oppositely facing surfaces; and

a cap on the upright wall,

8 the cap, horizontal wall, and first surface on the upright wall cooperatively defining a U-shaped first receptacle opening in one horizontal direction to receive
10 an edge portion of one layer on a support surface upon which the transition strip
is operatively placed,

12 the cap, second surface on the upright wall and an upwardly facing surface
on a horizontal support upon which the transition strip is operatively placed
14 cooperatively defining a U-shaped second receptacle opening oppositely to the
one horizontal direction to receive an edge portion of another layer on a support
16 surface upon which the transition strip is operatively placed,

 wherein the upright wall and cap are substantially rigid and rigidly
18 interconnected so that the upright wall and cap have a substantially fixed relative
orientation.

30. The transition strip according to claim 29 wherein the transition strip
2 is defined as a single piece.

31. The transition strip according to claim 30 wherein the single piece
2 comprises metal.

32 The transition strip according to claim 30 wherein the single piece
2 comprises a non-metal material.

33. The transition strip according to claim 29 wherein the cap projects
2 a first distance from the upright walls on the one horizontal direction and a second
 distance from the upright wall oppositely to the one horizontal direction and the
4 first and second distances are different.

34. The transition strip according to claim 29 wherein the horizontal wall
2 has oppositely facing flat surfaces respectively within first and second reference
 planes and the horizontal wall is weakened so that the horizontal wall is
4 reconfigurable within a space between the first and second reference planes.

35. The transition strip according to claim 29 wherein there are tack
2 prongs on the horizontal wall.

36. The transition strip according to claim 29 wherein the transition strip
2 is formed by an extrusion process.

2 37. The transition strip according to claim 29 wherein the horizontal wall,
upright wall, and cap are substantially rigid and rigidly interconnected so that the
horizontal wall, upright wall, and cap have a substantially fixed relative orientation.

2 38. The transition strip according to claim 29 wherein the horizontal wall,
upright wall, and cap each have a thickness and the thicknesses of the horizontal
wall, upright wall, and cap are substantially the same.

2 39. The transition strip according to claim 29 wherein the thicknesses
of the horizontal wall, upright wall, and cap are on the order of .03-.08 inches.
